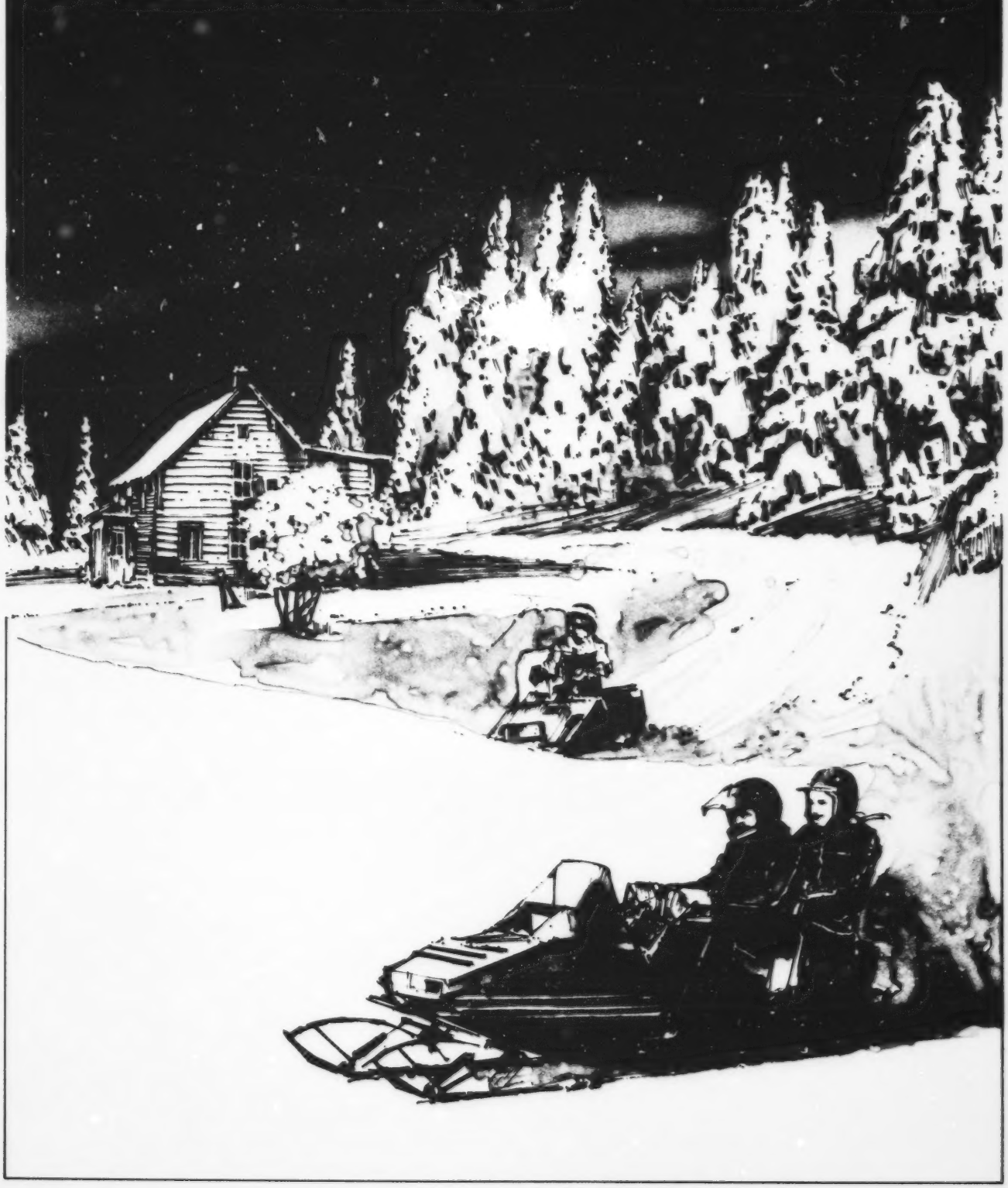
A PROFILE OF RECREATIONAL SNOWMOBILING BY ALBERTA HOUSEHOLDS

WINTER 1983-84



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A PROFILE OF RECREATIONAL SNOWMOBILING BY ALBERTA HOUSEHOLDS

WINTER 1983 - 84

Prepared For:

Travel Alberta
Department of Tourism and Small Business
Government of Alberta

Prepared By:

Dynatrend Management Corporation Ltd.
Management Consultants
Edmonton, Alberta

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1. INTRODUCTION

In July 1984, the Tourism Division of Alberta Tourism and Small Business completed a mail survey of Alberta households owning one or more snowmobiles registered with the Alberta Motor Vehicles Branch. The primary purpose of the survey was to assist in identifying the potential for developing and promoting recreational snowmobiling as a winter tourism activity. The questionnaire collected important information about those Albertans who participate in recreational snowmobiling activities. The survey responses were examined to identify characteristics of Alberta households who own a registered snowmobile, the sites frequently used for snowmobiling activities, facilities or services that may be required in the snowmobiling areas, and equipment and operating expenditures. A major focus of the survey was to examine the characteristics of trips of one-or-more nights in duration for snowmobiling activities. For those households who took overnight trips, the responses were examined to identify the trip destination areas, the type of accommodation facilities being used and the equipment and operating expenditures on these trips.

Dynatrend Management Corporation, an Edmonton-based management consulting firm, was commissioned in February, 1985 to prepare a report documenting the survey results. The firm assumed overall responsibility for the review of computerized survey tabulations and report preparation and editing.

Section 2 outlines the survey methodology and Sections 3 to 8 provide the principal survey results. Included is information regarding: Alberta households with registered snowmobiles, facilities and services at sites most frequently used, destinations of overnight-or-longer trips and types of accommodation used, snowmobiling activity expenditures and respondent comments. Section 9 provides a review of a number of initiatives being provided in other areas to encourage and develop recreational snowmobiling.

2. SURVEY METHODOLOGY

An outline of the methodology followed in carrying out the survey is given below:

- A listing of registered snow vehicle owners was obtained with the assistance of the Motor Vehicles division of the Alberta government. In Alberta, ownership information is not maintained for any unregistered snow vehicles.
- For administrative purposes, the province is divided into 14 tourist zones (Refer Figure 1). Each zone is responsible for promoting and developing tourism in the particular area, with Travel Alberta's assistance.
- A random sample of snow vehicle owners was drawn from each tourist zone. The minimum target sample size for each zone was 200 households; however, as the number of registered owners in the Gateway, Jasper, and Banff zones was less than 200, all the registered households in these areas were mailed survey questionnaires. Any identified non-personal snowmobile owners (i.e. dealers, institutions, public agencies etc.) were excluded from the survey. Detailed information by tourist zone with regard to the sample size and the number of household responses is included in Annex A to this report.
- In May 1984, the survey questionnaire along with an explanatory letter was mailed to 2,827 registered snowmobile owners. A copy of the survey questionnaire is included as Annex A to this report.
- A total of 1584 completed questionnaires were returned, an excellent response rate of 56 percent.

Except for the National Park areas (i.e. Banff and Jasper zones) sufficient data was obtained to reliably project overall results for each zone. In the case of Banff, there were only three households with registered snowmobiles and none of these households returned the survey questionnaire. As a result, no data is available for Banff in the zone tables. Because of the limited number of registered owners in the Jasper region (i.e. 36), any response comparisions with other tourist zone data may be inconclusive.

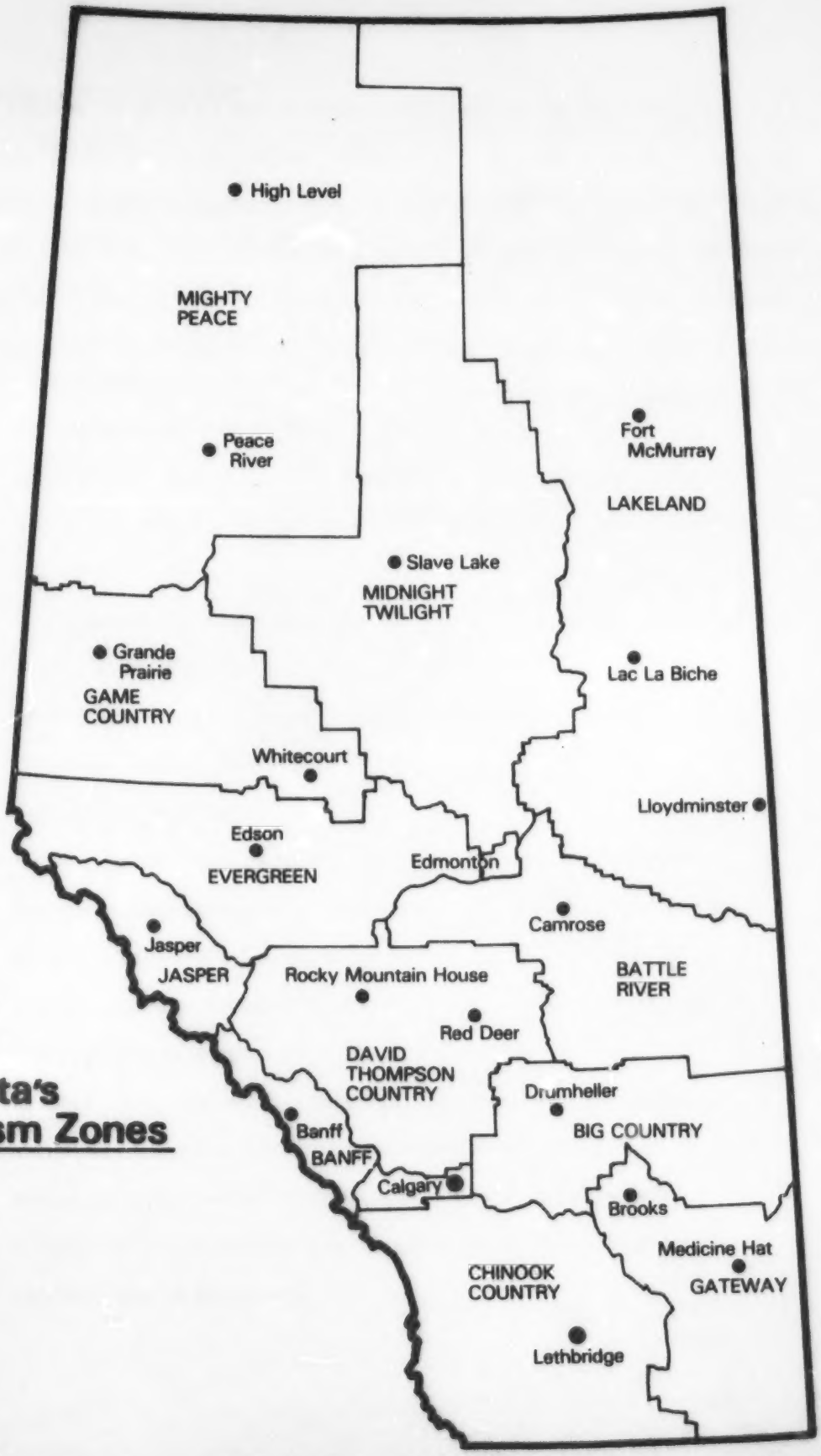


Figure 1

Alberta's Tourism Zones

3. ALBERTA HOUSEHOLDS WITH REGISTERED SNOWMOBILES

In 1982, approximately 59,000 Alberta households owned a snow vehicle, representing 8 percent of all Alberta households. Although the percentage of households owning a snowmobile has declined slightly from 1976 (9%), the actual number of snowmobiles in the province increased by 11,000 vehicles or 23 percent during the same six year period.

In 1984, approximately 14,500 Alberta households owned one or more registered snow vehicles. The difference between the number of households who own a "registered" snowmobile and the total number of Alberta households who own a snow vehicle is largely attributed to existing provincial regulations which do not require a snowmobile to be registered when operated solely on private lands. As a result, one might surmise that a large proportion of Alberta farm and rural households do not register their snow vehicles.

Approximately 49,000 people resided in the 14,500 Alberta households with a registered snowmobiles. Of these, three-quarters (75%) participated in snowmobiling activities. Approximately 10,000 of these active snowmobilers were under the age of 16.

The following table provides the number of households owning registered snowmobiles, the average number of registered snowmobiles per household, and the proportion of households that are members of a snowmobile club:

Table 1 - Registered Snowmobile Households

Zone of Residence	Number of Households	Percentage of Total Households	Snowmobiles per Household	Snowmobile Club Members (%)
Chinook Country	762	5.3	1.7	15.2
Gateway	188	1.3	1.5	7.2
Big Country	310	2.2	1.5	9.1
David Thompson	1307	9.0	1.6	5.7
Battle River	1833	12.7	1.5	8.0
Lakeland	2008	13.9	1.5	10.0
Evergreen	1476	10.2	1.8	9.8
Mighty Peace	467	3.2	1.6	-
Jasper	36	.2	1.8	65.0
Calgary	1095	7.6	1.8	18.6
Edmonton	2640	18.2	1.6	3.7
Banff	3	-	-	-
Game Country	816	5.6	1.7	16.7
Midnight Twilight	1534	10.6	1.6	4.2
Total	14475	100.0	1.6	8.6

A review of the above table reveals the following:

- the Edmonton tourist zone has the highest number of Alberta households who own a registered snowmobile (2,640);
- the total number of Edmonton snowmobile owners is roughly two and one-half times larger than the number of Calgary snowmobile owners;
- roughly half (44.8%) of the Alberta households owning a registered snowmobile live in one of three tourist zones: Edmonton (18.2%), Lakeland (13.9%), and Battle River (12.7%);
- on average, only nine percent (9%) of all Alberta households who own a registered snowmobile are members of a snowmobile club;
- the Mighty Peace zone and the Edmonton zone have the lowest percentage of owners who belong to a snowmobile club;

- the highest proportion of zone households who own a registered snowmobile and belong to a snowmobile club are located in the Jasper, Calgary, Game Country, and Chinook Country tourist zones. The Jasper percentage (i.e. 65%) is based on a small number of households who own a registered snowmobile; and
- the average number of snowmobiles per household is 1.6.

4. FACILITIES AND SERVICES

The Forest Service Department of Alberta Energy and Natural Resources maintains roughly 1,300 kilometers of snowmobile trails and connector trails throughout the province. The trails are located in the following 11 designated snowmobiling areas:

Snowmobile Area	Location/Zone	Trail Length
1. Big Mountain Creek	- 25 km. south of Grande Prairie - Game Country Zone	- 87 kilometers
2. Iosegun Lake	- 11 km. north-east of Fox Creek - Game Country zone	- 84 kilometers plus connector trails
3. Krause Lake	- 6 km. south of Swan Hills - Midnight Twilight zone	- 82 kilometers plus connector trails
4. Eagle River	- 13 km. north-west of Whitecourt - Game Country zone	- 83 kilometers plus connector trails
5. Little Sundance	- 25 km. west of Edson - Evergreen zone	- 56 kilometers
6. Chambers Creek	- 30 km. west of Rocky Mountain House - David Thompson zone	- 87 kilometers
7. Ghost District	- 85 kms. north-west of Calgary - David Thompson zone	- 139 kilometers
8. Cataract Creek	- Kananaskis Country 100 km. south-west of Calgary - Chinook Country zone	- 123 kilometers
9. McLean Creek	- Kananaskis Country 60 km. south-west of Calgary - Calgary zone and Chinook Country zones	- see below

10.	Sibbald Flats	- Kananaskis Country 57 km. south-west of Calgary - Calgary zone	- McLean Creek-Sibbald Flats area include 209 kilometers of trails plus connector trails
11.	Carbondale	- 120 km. south-west of Calgary - Chinook Country zone	- 160 kilometers

The above areas contain various types of facilities and services for the recreational snowmobiler. The snowmobile staging areas normally include a parking area, picnic tables, fire circles and firewood, garbage containers, and toilets.

As shown in Table 2, the survey obtained information with regard to the provision of facilities and services in the snowmobiling areas most frequently used by the survey respondents. The responses do indicate a possible requirement for improved trail signage and use areas and trail and area maps; however, the relatively high non-response percentage may indicate a general satisfaction with the available facilities and services. Details on the selected facilities and services by respondents' zone of residence are provided in Annex B-1 to this report. An examination of Annex B-1 tables indicates a desire for the following facilities and services by the respective zone residents:

- Lakeland, Battle River, Gateway, Midnight Twilight, and Edmonton zones: - trail and area maps and signed trail and use areas;
- Gateway, Lakeland and Battle River: - groomed trails;
- Lakeland, Game Country, and Gateway: - toilet facilities; and
- Calgary, Jasper and Game Country: - trail shelters.

TABLE 2

FACILITIES AND SERVICES

Totals - All Zones	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
		(percentage of responses)			
• Ploughed Parking Lot	6.3	13.4	22.9	57.5	100.0
• Loading Ramp	4.0	5.4	34.3	56.3	100.0
• Open Warm-up Area	4.1	9.1	20.4	66.3	100.0
• Shelter at Parking Lot	2.8	5.2	28.7	63.4	100.0
• Toilets	5.7	11.5	35.7	47.3	100.0
• Trail Shelters	1.2	1.8	37.7	59.2	100.0
• Grcomed Trails	3.5	8.5	38.4	49.5	100.0
• Signed Trail and Use Areas	3.5	8.9	39.5	48.1	100.0
• Trail and Area Maps	2.8	7.0	44.3	45.9	100.0
• Service Center (gas, food, etc.)	4.7	9.4	30.2	55.7	100.0
• Overnight Accommodation	6.5	3.7	23.3	66.4	100.0
• Snowmobile Rentals	1.9	.4	10.3	87.4	100.0
• Snowmobile Repairs	6.2	8.7	17.8	67.2	100.0

Note: a) includes uncoded responses

Numbers may not add due to rounding

5. SNOWMOBILING ACTIVITY

5.1 DAYS SNOWMOBILED

In the 1983-84 season, the Alberta households who owned a registered snow vehicle snowmobiled a total of 311,700 days. (refer Annex B-2 for zone details). The average number of days snowmobiled per household was 22 days, less than the 34 day average reported in a previous survey.[1] Approximately fifty percent of the survey respondents indicated that their household snowmobiling activity had decreased in 1983/84 compared to the previous season, while only nineteen percent said their snowmobiling activity had increased (refer Annex B-3). A lack of snow in the area was the most frequent reason given for the reduced activity.

Figure 2 illustrates that in the 1983-84 season, roughly 75% of the snowmobiling activity was in the December to February time period.

5.2 PRINCIPAL SNOWMOBILING AREAS

Table 3 identifies the principal snowmobiling areas of zone respondents. An examination of the survey responses reveals the following:

- Forest Service lands and lakes and rivers are the most commonly used areas for recreational snowmobiling in Alberta;
- Snowmobiling on private lands (i.e. cottage areas, farmland, and other private land) is roughly equivalent to forest service lands plus lakes and rivers in terms of overall usage;
- Calgary households represent the highest percentage of snowmobilers using forest service lands;

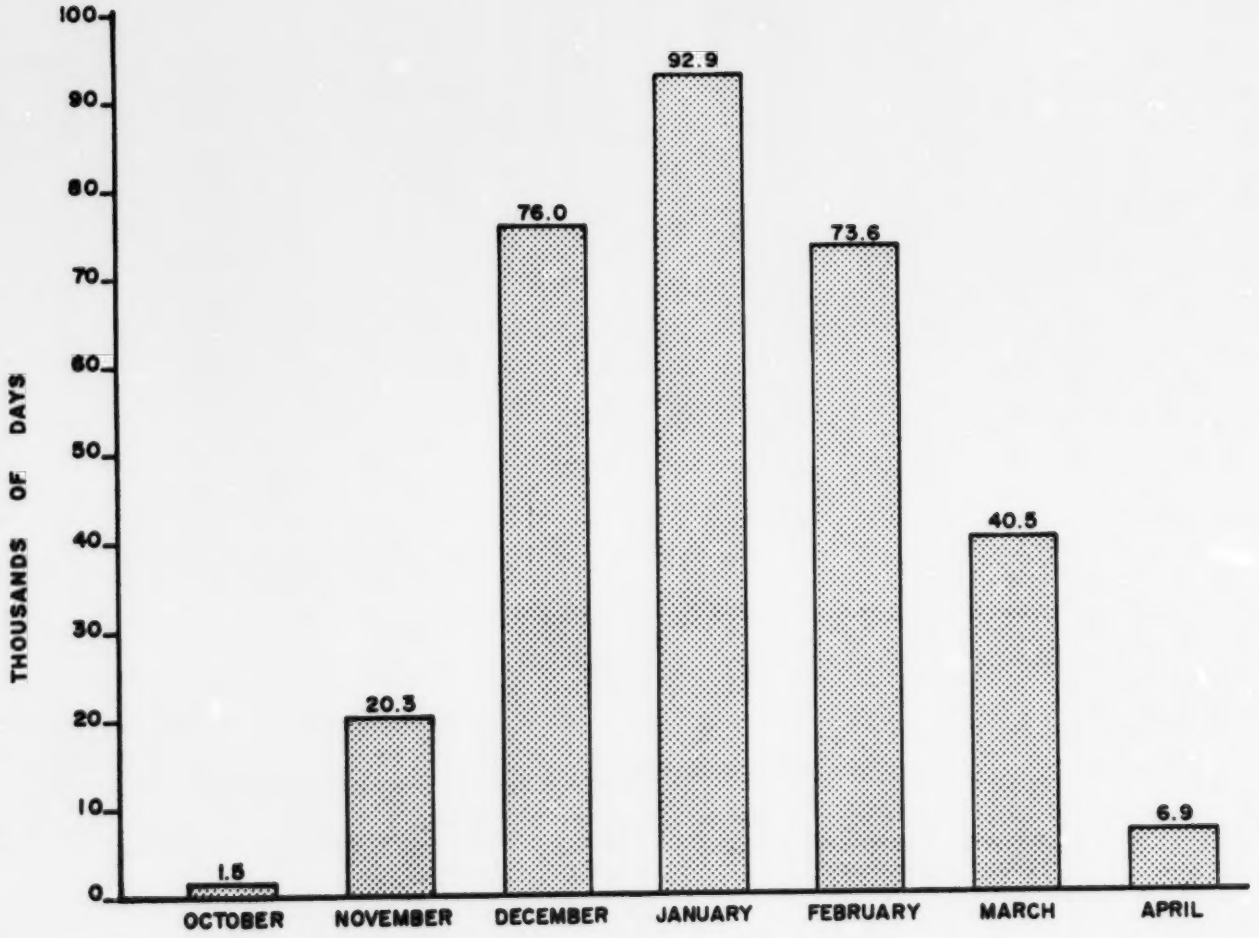
1. Alberta Recreation, Parks, and Wildlife; Characteristics, Opinions and Use Patterns of Snowmobile owners in Alberta; Feb.1977.

- the Edmonton area households are major users of cottage areas and lakes and rivers for recreational snowmobiling activities;
- the Edmonton area has the lowest proportion of snowmobilers who use forest service lands for snowmobiling activities; and
- Big Country households use farmland as a principal location for snowmobiling more often than other zone households.

Figure 2

Days Snowmobiled

(1983 - 84)



TOTAL DAYS SNOWMOBILED : 311,700

TABLE 3

PRINCIPAL LOCATION OF SNOWMOBILING ACTIVITY BY ZONE OF RESIDENCE

Zone of Residence:	Provincial Park	National Park	Forest Service Lands	Other Public Lands	Public Roads	Commercial Snowmobile Areas	Your Cottage Area	Your Farmland	Other Private Lands	Lakes and Rivers	Other
	(percentage of responses)										
Chinook Country	6.4	1.3	47.4	-	-	11.5	1.3	19.2	9.0	3.8	-
Gateway	19.0	6.9	24.1	6.9	1.7	3.4	-	8.6	20.7	8.6	-
Big Country	-	-	12.9	8.1	3.2	-	1.6	35.5	32.3	6.5	-
David Thompson	-	-	36.0	5.6	2.2	-	5.6	18.0	20.2	12.4	-
Battle River	.7	-	9.0	10.4	1.5	.7	8.2	23.1	21.6	24.6	-
Lakeland	-	-	8.9	4.5	1.8	.9	5.4	23.2	24.1	31.2	-
Evergreen	-	-	32.9	15.3	-	-	5.9	7.1	17.6	20.0	1.2
Mighty Peace	-	-	23.1	24.6	1.5	-	1.5	18.5	21.5	7.7	1.5
Jasper	11.1	72.2	16.7	-	-	-	-	-	-	-	-
Calgary	6.4	2.1	68.1	1.1	-	4.3	5.3	1.1	2.1	9.6	-
Edmonton	-	-	5.2	8.0	-	.6	31.0	6.3	13.2	35.6	-
Banff	-	-	-	-	-	-	-	-	-	-	-
Game Country	2.4	-	42.7	14.6	-	2.4	2.4	14.6	14.6	4.9	1.2
Midnight Twilight	1.3	-	13.2	13.2	-	1.3	11.8	23.7	19.7	15.8	-
Total	**1.5**	**.6**	**23.4**	**8.7**	**.8**	**1.6**	**10.5**	**15.3**	**17.1**	**20.4**	**.2**

6. EQUIPMENT AND OPERATING EXPENDITURES

Alberta households owning one or more registered snow vehicles spent $18.3 million on snowmobiling equipment and operation during the 1983-84 season. Equipment expenditures were $11.0 million or roughly 60% of the total expenditures, with the remaining $7.3 million spent on snowmobile operations and supporting activities (i.e. other vehicle operation, accommodation, food, etc.). Figure 3 provides a percentage breakdown of the major expenditure categories.

A detailed breakdown of total household expenditures by zone is included in Annex B-5 to this report; however, the following summary table provides the total equipment and operating expenditures by tourist zone:

Table 4 - Total Household Snowmobile Activity Expenditures ($000's)

Tourist Zone		Total Expenditure	%
1.	Chinook Country	$1,133	6.2
2.	Gateway	386	2.1
3.	Big Country	317	1.7
4.	David Thompson	1,390	7.6
5.	Battle River	2,175	11.9
6.	Lakeland	2,497	13.6
7.	Evergreen	1,817	9.9
8.	Mighty Peace	337	1.8
9.	Jasper	63	.3
10.	Calgary	2,035	11.1
11.	Edmonton	3,148	17.2
12.	Banff	-	-
13.	Game Country	1,108	6.1
14.	Midnight Twilight	1,902	10.5
	Total	**$18,307**	**100.0**

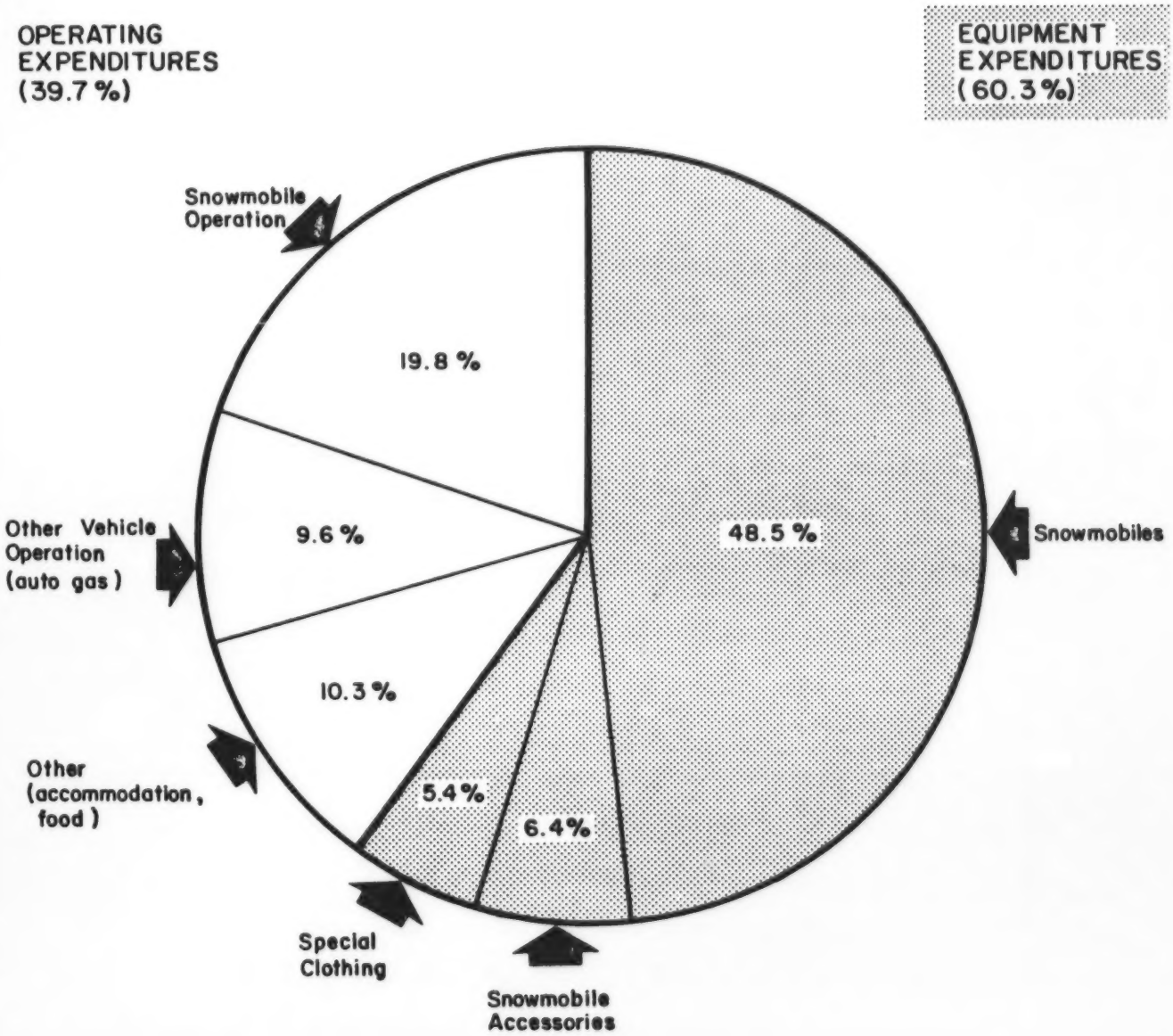
During the 1983-84 season, the average Alberta household who owned a registered snowmobile spent $1,264 on snowmobile equipment and operations. Table 5 provides detailed average expenditures per household by zone. A review of these expenditures indicates that:

- the Gateway zone had the highest average total expenditures per household on snowmobile equipment and operations ($2,152) and the highest average expenditure per household on snowmobile equipment ($1,391);
- the Calgary zone had the highest average operating expenditures per household ($925) and the second highest average total expenditure per household on snowmobile equipment and operations ($1,859);
- the Mighty Peace zone had the lowest average total expenditure per household on snowmobile equipment and operations ($721) and the lowest average expenditive per household on snowmobile equipment ($432) and operations ($289).

Figure 3

Total Expenditures

(1983 - 84)



Total Expenditures: $18,307,000.00

TABLE 5
AVERAGE HOUSEHOLD
SNOWMOBILE ACTIVITY EXPENDITURES (1983/84)

	Chinook Country	Gateway	Big Country	David Thompson	Battle River	Lakeland	Evergreen	Mighty Peace	Jasper	Calgary	Edmonton	Banff	Game Country	Midnight Twilight	AVERAGE
Equipment Expenditures:															
Snowmobiles	$780	$1030	$530	$534	$590	$648	$496	$315	$1051	$720	$609	-	$643	$642	$612
Snowmobile Accessories	90	250	59	44	89	85	67	46	36	138	68	-	101	81	82
Special Clothing	78	111	64	49	67	74	80	64	56	80	55	-	102	61	69
Total	**$949**	**$1391**	**$654**	**$627**	**$746**	**$812**	**$643**	**$432**	**$1143**	**$934**	**$732**	-	**$845**	**$784**	**$763**
Operating Expenditures:															
Snowmobile Operation	257	254	186	233	216	236	359	188	305	355	199	-	271	247	250
Other Vehicle Operation (auto, gas)	149	197	82	97	105	87	92	52	142	306	128	-	148	86	122
Club and Area User Fees	6	2	1	2	2	7	2	0	10	4	1	-	6	1	3
Commercial Accommodation	22	99	17	26	23	23	19	0	30	34	10	-	12	20	20
Meals in Restaurants and Hotels	40	90	37	36	40	26	46	7	49	66	35	-	21	38	38
Groceries bought in stores	41	54	33	29	35	37	52	33	76	123	69	-	44	44	51
Other	15	18	13	13	20	14	19	9	12	37	18	-	10	19	18
Total	**$530**	**$714**	**$369**	**$436**	**$441**	**$430**	**$589**	**$289**	**$624**	**$925**	**$460**	-	**$512**	**$455**	**$502**
TOTAL EXPENDITURES	**$1479**	**$2152**	**$1023**	**$1063**	**$1187**	**$1242**	**$1232**	**$721**	**$1767**	**$1859**	**$1192**	-	**$1357**	**$1239**	**$1264**

Numbers may not add due to rounding

7. OVERNIGHT TRIPS (ONE-OR-MORE NIGHTS' DURATION)

One of the principal reasons for the survey was to examine the vacation aspects of recreational snowmobiling. In this context, the survey obtained important information about those Albertans who take snowmobiling related trips of one-or-more nights in duration including: where they go on these trips, how much they spend, and where they stay. This section of the report examines this information for trips to snowmobiling areas within the province and for trips with out-of-province destinations.

7.1 HOUSEHOLD TRIPS

One-third of all Alberta households who owned a registered snow vehicle took an overnight snowmobiling trip in the 1983-84 season, representing a total of 11,169 overnight trips with the average trip 2.7 days in duration. Among the fourteen tourist zones, the Edmonton and Calgary area snowmobilers accounted for roughly forty four percent of the total number of Alberta households taking an overnight trip (i.e. 26.2% and 17.6%, respectively). Other tourist zones that had a relatively high percentage of the total overnight trips included the Lakeland (9.8%), Battle River (9.3%), and Midnight Twilight (9.3%) regions (refer Annex B-6 for detailed zone information).

7.2 TRIP DESTINATIONS

Figure 5 illustrates that about 78% of the overnight trips are to areas within the province of Alberta, 16% are to British Columbia, and 6% to other provinces and the United States. The Edmonton area, Game Country, and Mighty Peace zone snowmobilers have the highest percentage of overnight snowmobile trips to Alberta destinations (i.e. 92.9%, 92.0%, and 92.3%, respectively).The Gateway, Chinook Country, and David Thompson zone snowmobilers have the highest percentage of overnight snowmobile trips to destinations outside Alberta (i.e. 55.8%, 44.4%, and 42.5%, respectively). It is evident that

the zone residents in closer proximity to out-of-province snowmobiling areas have a greater frequency of out-of-province travel. Detailed overnight trip destination areas by zone of residence are provided in Table 6.

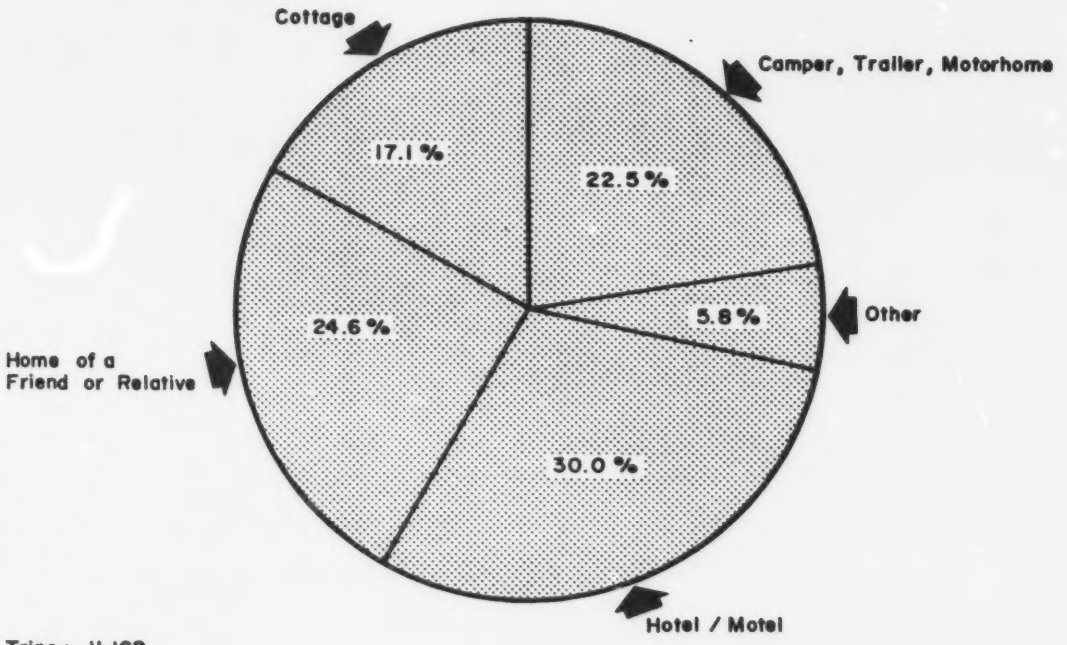
Table 7 identifies more specific destination areas of Albertans who took overnight trips. An examination of these destination areas by percentage of total overnight trips indicates:

- the principal overnight trip destination areas in Alberta include the Lakeland (17.5%), Evergreen (12.5%), Midnight Twilight (11.1%), and David Thompson (10.3%) zones;
- principal destinations in British Columbia include the: McBride - Valemount (5.5%), Golden - Revelstoke - Salmon Arm (3.9%), Sparwood - Fernie (3.2%), and Invermere -Radium (2.8%) areas; and
- other out of province destination areas include Saskatchewan (3.0%), and Yellowstone, U.S.A. (1.3%).

7.3 ACCOMMODATION ON OVERNIGHT TRIPS

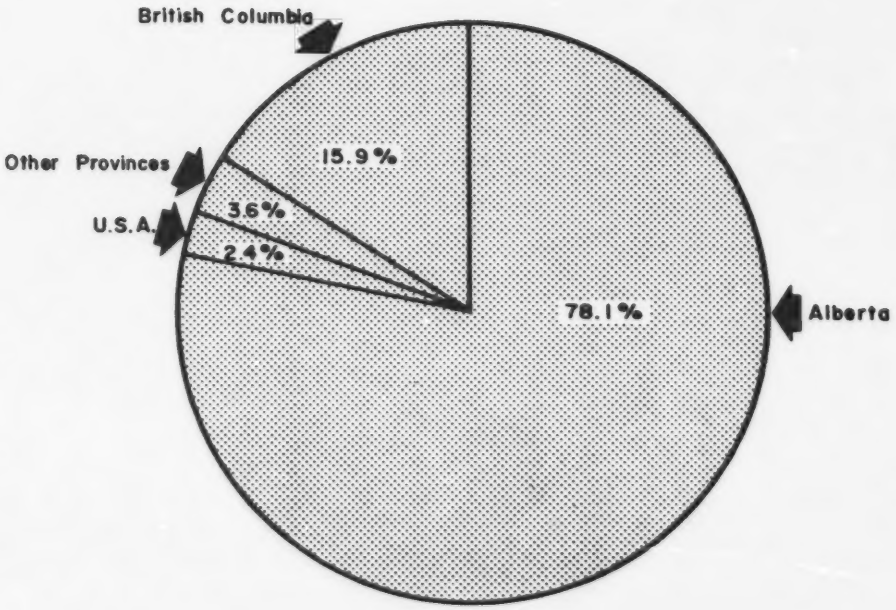
As indicated in Figure 4, roughly 30% of the snowmobilers stay in hotel or motel accommodation, 25% stay with a friend or relative, 23% use a camper, trailer, or motorhome, 17% use a private cottage and 6% use other types of accommodation facilities on overnight trips. The greatest demand for hotel-motel accommodations is from the snowmobilers travelling out-of-province to British Columbia and the United States. Albertans travelling to Saskatchewan for snowmobiling activities often stay at the home of a friend or relative (Annex B-7).

Figure 4 **Accommodation On Overnight Trips**



Total Trips : 11,169

Figure 5 **Overnight Trip Destinations**



Total Trips : 11,169

TABLE 6 - DESTINATION ON OVERNIGHT TRIPS BY ZONE OF RESIDENCE

Zone of Residence:	Alberta	British Columbia	Other (a) Provinces	United States (b)	Total
		(percentage of overnight trips)			
Chinook Country	55.6	32.1	2.5	9.9	100.0
Gateway	44.2	21.7	15.9	18.1	100.0
Big Country	84.4	11.1	-	4.4	100.0
David Thompson	57.5	39.7	2.7	-	100.0
Battle River	80.0	12.0	3.0	5.0	100.0
Lakeland	75.9	4.6	17.2	2.3	100.0
Evergreen	71.4	25.7	1.4	1.4	100.0
Mighty Peace	92.3	7.7	-	-	100.0
Jasper	60.0	40.0	-	-	100.0
Calgary	70.0	24.1	2.5	3.5	100.0
Edmonton	92.9	5.6	1.5	-	100.0
Banff	-	-	-	-	100.0
Game Country	92.0	8.0	-	-	100.0
Midnight Twilight	86.4	13.6	-	-	100.0
Total	**78.1**	**15.9**	**3.6**	**2.4**	**100.0**

Note: a) prime destination is Saskatchewan b) prime destination is Montana

Total number of trips - 11,169

Numbers may not add due to rounding

Table 7 - DESTINATION OF OVERNIGHT TRIPS

Destination	Number of Overnight Trips	Percentage of Overnight Trips
ALBERTA:		
1. Chinook Country - Pincher Creek (182)	927	8.3
2. Gateway	10	.1
3. Big Country	36	.3
4. David Thompson - Rocky Mountain House (310)	1,147	10.3
5. Battle River	557	5.0
6. Lakeland - Cold Lake (223)	1,952	17.5
7. Evergreen - Edson - Hinton (454)	1,390	12.5
8. Mighty Peace	166	1.4
9. Jasper	116	1.0
10. Calgary	138	1.2
11. Edmonton	10	.1
12. Banff	186	1.7
13. Game Country - Whitecourt - Fox Creek (484) - Grande Prairie (252)	840	7.5
14. Midnight Twilight	1,249	11.1
Sub Total Alberta	8,724	78.0
BRITISH COLUMBIA:		
1. McBride - Valemount	609	5.5
2. Golden - Revelstoke - Salmon Arm	435	3.9
3. Sparwood - Fernie	357	3.2
4. Invermere - Radium	309	2.8
5. Other B.C.	69	.6
Sub Total B.C.	1,779	16.0
OTHER PROVINCES:		
1. West-Central Saskatchewan	197	1.8
2. Other Saskatchewan	130	1.2
3. Manitoba	13	.1
4. Northwest Territories	63	.6
Sub Total Other Provinces	403	3.7
U.S.A.:		
1. Yellowstone	143	1.3
2. Kalispell - Whitefish	62	.6
3. Other Montana	37	.3
4. Jackson Hole	24	.2
Sub Total U.S.A.	266	2.4
TOTAL	11,169	100.0

Note: Numbers may not add due to rounding.
The figures in brackets represent the number of overnight trips for the identified area.

7.4 EXPENDITURES

The total expenditures in 1983-84 by Albertans on overnight snowmobiling trips is estimated to be $1.7 million. These expenditures represent roughly 9% of the total snowmobiling expenditures by registered owners. A review of the household expenditures by zone and trip destination areas (refer Annex B-9) indicates:

- 53% of the expenditures are associated with overnight trips to an Alberta destination;
- the Edmonton area snowmobilers had the largest total expenditure on overnight trips to an Alberta destination ($216,000); and
- the Calgary zone snowmobilers had the largest total expenditure on overnight trips outside Alberta ($317,000).

An examination of average household and per person expenditures on overnight trips disclosed:

1) Trip Expenditures (refer Annex B-10)

- the average expenditure per household per overnight trip is $182;
- the average expenditure per person per overnight trip is $74;
- the Edmonton zone snowmobilers have the lowest average expenditure per person per overnight trip ($42) and per household per overnight trip ($114);
- the Gateway zone snowmobilers have the highest average expenditure per person ($141) and per household ($284) on overnight trips; and
- total average expenditures to outside Alberta destinations are roughly three times the expenditures to Alberta destinations.

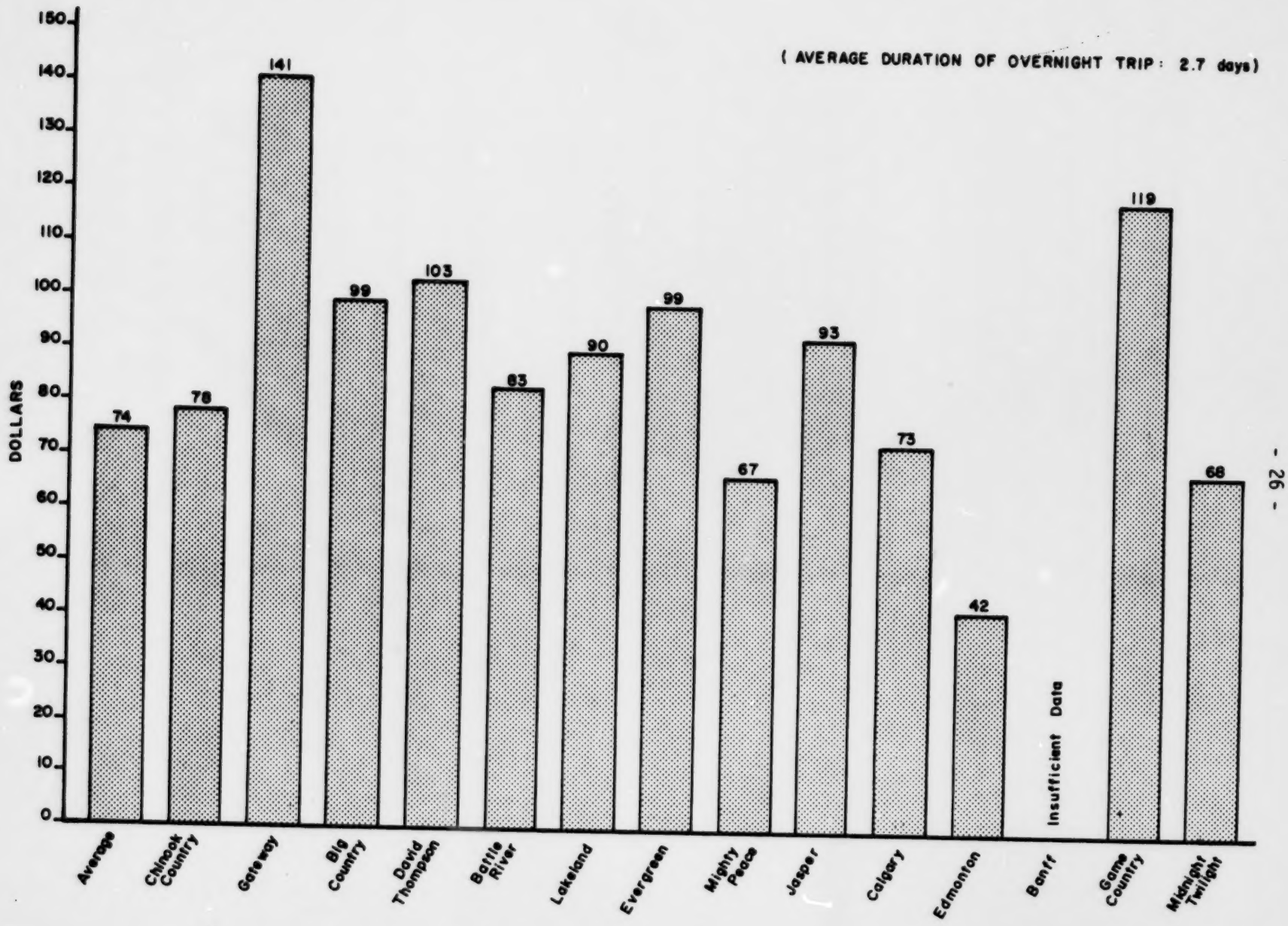
2) Daily Expenditures (refer Annex B-6)

- the average daily expenditure per household on overnight trips is $67;
- the average daily expenditure per person on overnight trips is $27;
- Edmonton zone snowmobilers have the lowest average daily expenditures on overnight trips ($17 per person and $46 per household); and.

- the Gateway zone snowmobilers have the highest average daily per household expenditure on overnight trips ($86); and
- the Game Country zone snowmobilers have the highest average daily per person expenditures on overnight trips ($46).

Figure 6

Average Expenditure Per Person On Overnight Trips



8. COMMENTS AND OPINIONS OF RESPONDENTS

Over one-third of the survey respondents expressed further comments regarding recreational snowmobiling in Alberta. Annex B-11 provides a summary of the comments; however, the most prominent included:

- The principal concern or observation expressed by Alberta snowmobilers was the need for an increased number of local snowmobiling trails. On average, approximately eighteen percent of the respondents indicated a need for more local trails; however, among the fourteen tourist zones, the Gateway and Calgary area respondents expressed the need for more local trails most frequently (i.e. 37.1% and 33.3% respectively).
- Calgary and Chinook Country respondents indicated a strong desire for more snowmobiling areas in the Kananaskis region and expressed concerns about the loss of previously established snowmobiling areas;
- respondents indicated a need for improved information on designated snowmobile areas and related facilities.

The following selected quotations have been extracted from the survey questionnaires to reflect a number of the major concerns and opinions expressed by the respondents.

1. Desire for More Local Trails and Areas

- "we have our own Cypress Hills in Alberta but we are not allowed to snowmobile there except on the lake. It would be only half the driving to get to a snowmobile area if this park could be used for snowmobiling as its neighbouring park in Saskatchewan is used".
- "snowmobiling in Alberta has the potential of becoming a big business if we had trail systems that would allow people to travel from town to town".

- "there are no proper locations near Edmonton for snowmobiling. The parks west of the city are closed for facilities of this kind".
- "we need some local areas for snowmobiling".
- "there are not enough places to snowmobile and those that are available are so far away from town that it is not economical to go out too often".

2. More Snowmobiling in Kananaskis

- "we used to snowmobile every weekend at Kananaskis until the area was closed . . . that area should be re-opened".
- "I think it is a shame that the Alberta government has restricted snowmobiling down such a small area in Kananaskis".
- "loss of use of the Kananaskis areas has removed the last of the accessible winter wilderness areas".

3. Other

- "the existing system of trails is seriously limited and situated in areas of extremely poor snowfall".
- "areas closed to snowmobilers have more snow".
- "because of our lack of snow most of us diehard snowmobilers have to load up and drive a hundred or more miles one way to find an adequate supply of snow".
- "if Alberta offered any good snowmobile areas in a higher altitude than present, we would use these areas".

- "for the past 10 years we have been travelling into British Columbia in order to snowmobile in mountain areas. We've always been made most welcome there and the facilities (motels, restaurants, trail grooming) are well established to cater to snowmobilers".
- "in the past year we snowmobiled in British Columbia more often than in Alberta because we find better snowmobile areas, good groomed trails and overnight accommodations close to snowmobile areas".
- "the trails in the Alberta area are usually very poorly marked and seldom maintained. We usually go into B.C.".

9. INITIATIVES IN OTHER AREAS

This section of the report presents several initiatives being employed in other areas to develop and promote recreational snowmobiling as a winter tourism activity. These initiatives are based on an examination of various publications and brochures and discussions with individuals familiar with domestic and international snowmobiling areas and activities.

1. Public park areas are being used more frequently for snowmobiling activities. A number of provinces including Quebec, Ontario, Saskatchewan, Nova Scotia, and New Brunswick encourage recreational snowmobiling in designated areas of selected provincial parks. More public lands in the United States are being opened to snowmobile use as evidenced by the provision of trail routes in thirty U.S. National parks (for example, a few selected States with snowmobile trails in park areas include: North Dakota, Ohio, New Jersey, Wyoming, Oregon, Utah, Washington, and California).

2. To provide integrated development guidelines, Quebec and Ontario have prepared detailed snowmobile Master Plan documents.
3. Integrated trail systems have been developed in Quebec and to a lesser extent in Ontario, to link together two or more snowmobile routes. These trail networks are often developed in consultation with private industry to encourage the establishment and operation of commercial services along these routes.
4. Several provinces, including Quebec, Ontario, Saskatchewan, and New Brunswick, have established one central government agency to act as a liaison with local snowmobile clubs and associations for planning and developing appropriate snowmobiling areas, facilities, services, and regulations.
5. New snowmobile trails are being developed near established commercial developments. Specially designed resort facilities have been developed which cater to the active snowmobiler. In Eastern Canada and several areas of United States, these service and facilities often include sophisticated trail routes, snowmobile rentals, repair shops, accommodation facilities, tour packages, and other related services. Yellowstone National Park in Wyoming, U.S.A. is a pioneer in developing snowmobile recreation facilities and services. Roughly 1,200 miles of groomed trails on Forest Service lands are integrated with developed commercial facilities.

6. Quebec and Ontario provincial snowmobile associations and area clubs groom and develop local snowmobile trails. The government provides annual funding allotments (grants) to the provincial association and local clubs to assist in trail maintenance and development.
7. Quebec and Ontario provincial government departments have assumed an active role in the promotion of package tours and national and international snowmobile festivals and events.

ANNEX A

- SURVEY QUESTIONNAIRE
- HOUSEHOLDS SURVEYED BY ZONE OF RESIDENCE

OFFICE ONLY

1-4 _ _ _ _

RECREATIONAL SNOWMOBILING SURVEY, 1983/84 SEASON

1. What is your regular place of residence? (nearest town/city) _____ 5-7 _ _ _

2. How many snowmobiles THAT ARE CURRENTLY REGISTERED does your household own? _____ 8 _

3. How many people are living in your household? _____ 9-10 _ _

4. a) How many of your household members participated in snowmobiling in the 1983/84 season? _____ 11-12 _ _
   b) How many of these were under 16 years of age? _____ 13 _

5. Where did you do most of your snowmobiling in the 1983/84 season? (check one only)

Location

- ☐ Municipal Park
- ☐ Provincial Park
- ☐ National Park
- ☐ Forest Service Land
- ☐ Other Public Land
- ☐ Public Roads
- ☐ Commercial Snowmobiling Area
- ☐ Your Own Cottage Area
- ☐ Your Farmland
- ☐ Other Private Lands
- ☐ Lakes and Rivers
- ☐ Other Location (Please specify) _____ 14-15 _ _

6. What type of facilities and services are available in the area where you most often snowmobile? Which of the services do you use there? Which would you use if they were available at that area? (Check all those which are applicable.)

	Services Available	Services You Use	Services You Would Use If Available	
Ploughed parking lot	☐	☐	☐	16 _
Loading ramp	☐	☐	☐	17 _
Open warm-up area for machines	☐	☐	☐	18 _
Shelter at parking lot	☐	☐	☐	19 _
Toilets	☐	☐	☐	20 _
Trail shelters	☐	☐	☐	21 _
Groomed trails	☐	☐	☐	22 _
Signed trail and use areas	☐	☐	☐	23 _
Trail and area maps	☐	☐	☐	24 _
Service centre (gas, food, etc.)	☐	☐	☐	25 _
Overnight commercial/accommodation	☐	☐	☐	26 _
Snowmobile rentals	☐	☐	☐	27 _
Snowmobile repairs	☐	☐	☐	28 _
Other. Please specify _____	☐	☐	☐	29-30 _ _

_____

7. a) How many days in total did you or members of your household go snowmobiling in the 1983/84 season? Please provide your best estimate. _____ days 31-33 _ _ _

   b) How many days did you or members of your household go snowmobiling EACH MONTH of the season? Example: December 12 days, January 0 days. Please ensure that the total is the same as in question 7a. Again, please provide your best estimate.

October '83	_____ days	January '84	_____ days
November '83	_____ days	February '84	_____ days
December '83	_____ days	March '84	_____ days
		April '84	_____ days
		TOTAL	_____ (Same as 7a)

34-35 _ _
36-37 _ _
38-39 _ _
40-41 _ _
42-43 _ _
44-45 _ _
46-47 _ _
48-49 _ _

OFFICE ONLY

8. a) How does the amount you snowmobiled this past season compare to the previous year? In 1983/84 did you use your snowmobile: (check one)

- ☐ More than in 1982/83
- ☐ Less than in 1982/83
- ☐ About the same as in 1982/83
- ☐ Not applicable. (Did not snowmobile in one or both of the seasons in question.)

50 __

b) If you indicated that there was a change in your use, approximately how much, in percentage terms, did it change? Please provide your best estimate. Example: 20% .

_____%

51-53 _ _ _

c) If your snowmobiling increased or decreased in 1983/84 what was the main reason? _____

_____

_____

54-55 _ _
56-57 _ _

80 1

RECORD 2

9. a) During the 1983/84 season HOW MANY TRIPS, if any, did you take for snowmobiling WHERE YOU STAYED AWAY FROM HOME AT LEAST ONE NIGHT?

_____ (Number of trips)

5-6 _ _

The remainder of this question deals only with OVERNIGHT-OR-LONGER snowmobiling trips taken during the 1983/84 season. If you DID NOT take any such trips please go on to question 10.

b) This question is designed to provide information on the OVERNIGHT-OR-LONGER trips you took for snowmobiling in 1983/84 both within and outside Alberta. Space is provided for you to describe five (5) such trips. (If you took more than five of these trips, please describe these in the "comments" space below.)

7-13
_ _ _/_ _/_ _

14-19
_ _/_ _ _ _

SNOWMOBILING TRIPS, 1983/84, OVERNIGHT OR LONGER

20-26
_ _ _/_ _/_ _

27-32
_ _/_ _ _ _

Trip #	Destination (Nearest town/city)	Province/ state	# of People From Your Household on Trip	# of Nights on Trip	# of Days Snowmobiled on Trip	Expenditure by Your Household on Trip
1)						$
2)						$
3)						$
4)						$
5)						$

33-39
_ _ _/_ _/_ _

40-45
_ _/_ _ _ _

46-52
_ _ _/_ _/_ _

53-58
_ _/_ _ _ _

Comments: _____

_____

_____

59-65
_ _ _/_ _/_ _

66-71
_ _/_ _ _ _

OFFICE ONLY

c) Please indicate from the following list what type of accommodation you used on each of the above trips. Example: If you stayed in a hotel or motel on Trip #2, it would be recorded as Trip #2 1.

1 - Hotel/motel
2 - Home of friend or relative
3 - My own cottage
4 - Motor home
5 - Truck camper or trailer
6 - Other. Please specify _____

Trip #1 _____ Trip #3 _____ Trip #5 _____
Trip #2 _____ Trip #4 _____

72 _
73 _
74 _
75 _
76 _
80 2

10. Approximately how much did your household spend on snowmobiling in 1983/84? Please be careful to only include 1983/84 expenditures.

RECORD 3

a) Equipment Expenditures 1983/84

Snowmobile(s) (if purchased in 83/84)	$ _____
Snowmobile accessories (e.g., trailer)	_____
Special clothing (helmets, etc.)	_____
TOTAL EQUIPMENT EXPENDITURE	$ _____

5-9 _ _ _ _ _
10-13 _ _ _ _
14-17 _ _ _ _
18-22 _ _ _ _ _

b) Operating and Related Expenditures 1983/84 (Estimated)

Snowmobile operation (gas, oil, license, repairs, storage, etc.)	$ _____
Other vehicle operation (auto gas, oil)	_____
Club and area use fees	_____
Commercial accommodation	_____
Meals and refreshments bought in restaurants and hotels	_____
Groceries and beverages bought in store	_____
All other goods and services	_____
TOTAL OPERATING EXPENDITURE	_____

23-26 _ _ _ _
27-30 _ _ _ _
31-34 _ _ _ _
35-38 _ _ _ _

39-42 _ _ _ _
43-46 _ _ _ _
47-50 _ _ _ _
51-54 _ _ _ _

11. a) Did you or a member of your household belong to a snowmobile club during the 1983/84 season?
☐ Yes ☐ No

55 _

If you answered "YES" to 11a) please complete the remaining parts of this question. If you answered "NO," please omit the rest of this question and go on to question 12.

b) If you or a member of your household did belong to a snowmobile club this past season, did you (or a household member) go on any overnight excursions with the club?
☐ Yes ☐ No

56 _

c) If YES: How many overnight excursions did you (or a household member) go on with the club during the 1983/84 season? _____. Including yourself(ves), how many people in total participated in each of those overnight club excursions?

57 _

Excursion 1 _____ people Excursion 3 _____ people Excursion 5 _____ people
Excursion 2 _____ people Excursion 4 _____ people

58-59 _ _
60-61 _ _
62-63 _ _
64-65 _ _
66-67 _ _

(Note: These club excursions would be included in the trips you described in question 9, in which you provided details of your HOUSEHOLD's participation.)

OFFICE ONLY

12. This space is for any additional comments you might wish to make.

68-69 __ __
70-71 __ __
72-73 __ __
79 2
80 3

THANK YOU

Please return your completed questionnaire in the enclosed self-addressed envelope. No postage necessary if mailed in Canada.

HOUSEHOLDS SURVEYED BY ZONE OF RESIDENCE

Zone of Residence:	Number of Households	Number of Households Surveyed	Number of Households Responses
Chinook Country	762	200	112
Gateway	188	188	97
Big Country	310	200	99
David Thompson	1,307	200	122
Battle River	1,833	300	176
Lakeland	2,003	300	160
Evergreen	1,476	200	123
Mighty Peace	467	200	92
Jasper	36	36	20
Calgary	1,095	200	113
Edmonton	2,640	400	242
Banff	3	3	-
Game Country	816	200	108
Midnight Twilight	1,534	200	120
Total	**14,475**	**2,827**	**1,584**

ANNEX B

SURVEY TABLES

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
		(percentage of responses)			
1. Chinook Country:					
• Ploughed parking lot	4.5	36.4	17.3	41.9	100.0
• Loading ramp	3.6	6.4	42.7	47.3	100.0
• Open warm-up area	5.5	19.1	19.1	56.4	100.0
• Shelter at parking lot	.9	8.2	37.3	53.6	100.0
• Toilets	7.3	20.9	32.7	39.2	100.0
• Trail shelters	-	-	36.4	63.7	100.0
• Groomed trails	3.6	14.5	30.0	51.9	100.0
• Signed trail & use areas	10.9	20.9	24.5	43.7	100.0
• Trail and area maps	5.5	12.7	40.9	41.0	100.0
• Service Center (gas, etc)	.9	7.3	40.0	51.8	100.0
• Overnight accommodation	4.5	2.7	40.9	51.8	100.0
• Snowmobile rentals	1.8	2.7	14.5	80.9	100.0
• Snowmobile repairs	6.4	8.2	21.8	63.7	100.0
2. Gateway					
• Ploughed parking lot	7.4	26.3	24.2	42.1	100.0
• Loading ramp	4.2	4.2	38.9	52.7	100.0
• Open warm-up area	4.2	8.4	25.3	62.1	100.0
• Shelter at parking lot	2.1	2.1	42.1	53.7	100.0
• Toilets	5.3	12.6	41.1	41.1	100.0
• Trail shelters	2.1	7.4	37.9	52.7	100.0
• Groomed trails	3.2	10.5	49.5	36.9	100.0
• Signed trail & use areas	5.3	17.9	38.9	37.9	100.0
• Trail and area maps	4.2	12.6	43.2	40.0	100.0
• Service Center (gas,etc)	4.2	13.7	40.0	42.1	100.0
• Overnight accommocation	6.3	12.6	31.6	49.5	100.0
• Snowmobile rentals	1.1	2.1	20.2	76.6	100.0
• Snowmobile repairs	6.4	10.6	24.5	58.6	100.0

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
		(percentage of responses)			
3. Big Country					
• Ploughed parking lot	5.6	6.7	16.7	71.2	100.0
• Loading ramp	2.2	4.4	32.2	61.1	100.0
• Open warm-up area	3.3	5.6	24.4	66.7	100.0
• Shelter at parking lot	2.2	7.8	21.1	68.9	100.0
• Toilets	3.3	10.0	25.6	61.2	100.0
• Trail shelters	1.1	2.2	32.2	64.5	100.0
• Groomed trails	1.1	4.4	36.7	57.8	100.0
• Signed trail & use areas	2.2	4.4	37.8	55.5	100.0
• Trail and area maps	2.2	3.3	42.2	52.2	100.0
• Service Center (gas,etc)	3.3	3.3	28.9	64.5	100.0
• Overnight accommodation	5.6	2.2	24.4	67.8	100.0
• Snowmobile rentals	1.1	-	14.4	84.5	100.0
• Snowmobile repairs	3.3	8.9	27.8	60.0	100.0
4. David Thompson					
• Ploughed parking lot	4.2	13.3	26.7	55.9	100.0
• Loading ramp	4.2	5.0	32.5	58.4	100.0
• Open warm-up area	7.5	5.8	15.8	70.8	100.0
• Shelter at parking lot	5.0	5.8	21.7	67.5	100.0
• Toilets	6.7	10.0	35.0	48.3	100.0
• Trail shelters	1.7	.8	26.7	70.8	100.0
• Groomed trails	8.3	8.3	34.2	49.2	100.0
• Signed trail & use areas	5.0	6.7	34.2	54.2	100.0
• Trail and area Maps	3.3	5.8	38.3	52.5	100.0
• Service Center (gas,etc)	4.2	5.0	26.7	64.1	100.0
• Overnight accommodation	5.0	2.5	20.0	72.5	100.0
• Snowmobile rentals	.8	-	5.8	93.3	100.0
• Snowmobile repairs	3.3	1.7	12.5	82.5	100.0

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
	(percentage of responses)				
5. Battle River					
• Ploughed parking lot	5.1	8.5	24.4	62.0	100.0
• Loading ramp	1.1	1.1	33.5	64.3	100.0
• Open warm-up area	4.5	6.8	18.3	70.5	100.0
• Shelter at parking lot	2.8	2.3	29.5	65.4	100.0
• Toilets	5.7	5.1	38.6	50.6	100.0
• Trail shelters	.6	.6	39.8	59.1	100.0
• Groomed trails	1.7	5.7	44.9	47.8	100.0
• Signed trail & use areas	1.7	5.1	47.2	46.0	100.0
• Trail and area maps	2.3	2.8	51.7	43.2	100.0
• Service Center (gas,etc)	6.3	8.5	27.8	57.8	100.0
• Overnight accommodation	7.4	2.8	19.9	69.9	100.0
• Snowmobile rentals	3.4	-	8.5	88.1	100.0
• Snowmobile repairs	9.1	7.4	15.9	67.7	100.0
6. Lakeland					
• Ploughed parking lot	8.5	5.9	22.9	62.8	100.0
• Loading ramp	2.0	5.2	41.2	51.7	100.0
• Open warm-up area	2.0	6.5	22.9	68.7	100.0
• Shelter at parking lot	1.3	2.0	32.7	64.1	100.0
• Toilets	5.2	8.5	47.1	39.2	100.0
• Trail shelters	2.0	1.3	39.9	56.9	100.0
• Groomed trails	1.3	3.9	46.4	48.4	100.0
• Signed trail & use areas	2.0	4.6	51.0	42.5	100.0
• Trail and area Maps	1.3	4.6	49.7	44.5	100.0
• Service Center (gas,etc)	3.3	12.4	30.7	53.6	100.0
• Overnight accommodation	4.6	4.6	26.8	64.1	100.0
• Snowmobile rentals	2.6	-	11.8	85.6	100.0
• Snowmobile repairs	8.5	13.7	20.3	57.5	100.0

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
	(percentage of responses)				
7. Evergreen					
• Ploughed parking lot	10.7	6.6	24.6	58.2	100.0
• Loading ramp	6.6	3.3	34.4	55.7	100.0
• Open warm-up area	5.7	4.9	23.8	65.6	100.0
• Shelter at parking lot	3.3	2.5	29.5	64.7	100.0
• Toilets	7.4	4.1	36.1	52.4	100.0
• Trail shelters	.8	2.5	39.3	57.3	100.0
• Groomed trails	6.6	4.1	40.2	49.1	100.0
• Signed trail & use areas	6.6	6.6	34.4	52.5	100.0
• Trail and area maps	3.3	5.7	42.6	48.3	100.0
• Service Center (gas,etc)	8.2	9.8	28.7	53.3	100.0
• Overnight accommodation	9.0	2.5	23.0	65.5	100.0
• Snowmobile rentals	1.6	-	9.8	88.5	100.0
• Snowmobile repairs	6.6	10.7	21.3	61.4	100.0
8. Mighty Peace					
• Ploughed parking lot	2.2	5.4	13.0	79.4	100.0
• Loading ramp	3.3	3.3	25.0	68.5	100.0
• Open warm-up area	-	4.3	17.4	78.3	100.0
• Shelter at parking lot	-	1.1	19.6	79.3	100.0
• Toilets	1.1	4.3	29.3	65.2	100.0
• Trail shelters	1.1	3.3	25.0	70.7	100.0
• Groomed trails	-	3.3	39.1	57.6	100.0
• Signed trail & use areas	-	2.2	37.0	60.9	100.0
• Trail and area Maps	1.1	2.2	30.4	66.3	100.0
• Service Center (gas,etc)	5.4	4.3	22.8	67.4	100.0
• Overnight accommodation	8.7	1.1	22.8	67.4	100.0
• Snowmobile rentals	4.3	1.1	9.3	84.8	100.0
• Snowmobile repairs	13.0	9.8	7.6	69.6	100.0

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
		(percentage of responses)			
9. Jasper					
• Ploughed parking lot	10.0	60.0	30.0	-	100.0
• Loading ramp	5.0	10.0	30.0	55.0	100.0
• Open warm-up area	10.0	20.0	15.0	55.0	100.0
• Shelter at parking lot	-	-	55.0	45.0	100.0
• Toilets	10.0	40.0	35.0	15.0	100.0
• Trail shelters	5.0	-	50.0	45.0	100.0
• Groomed trails	15.0	30.0	30.0	25.0	100.0
• Signed trail & use areas	15.0	45.0	15.0	25.0	100.0
• Trail and area maps	10.0	50.0	20.0	20.0	100.0
• Service Center (gas,etc)	-	5.0	30.0	65.0	100.0
• Overnight accommodation	10.0	5.0	30.0	55.0	100.0
• Snowmobile rentals	5.0	5.0	10.0	80.0	100.0
• Snowmobile repairs	-	20.0	30.0	50.0	100.0
10. Calgary					
• Ploughed parking lot	7.3	46.4	10.9	35.5	100.0
• Loading ramp	19.1	23.6	19.1	38.3	100.0
• Open warm-up area	4.5	28.2	9.1	58.3	100.0
• Shelter at parking lot	8.2	18.2	33.6	40.1	100.0
• Toilets	8.2	44.5	14.5	32.8	100.0
• Trail shelters	.9	3.6	41.8	53.7	100.0
• Groomed trails	7.3	32.7	19.1	40.9	100.0
• Signed trail & use areas	8.2	32.7	18.2	40.9	100.0
• Trail and area Maps	6.4	28.2	28.2	37.3	100.0
• Service Center (gas,etc)	2.7	2.7	43.6	50.9	100.0
• Overnight accommodation	2.7	5.5	30.0	61.8	100.0
• Snowmobile rentals	-	.9	11.8	87.3	100.0
• Snowmobile repairs	-	1.8	17.3	80.9	100.0

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
	(percentage of responses)				
11. Edmonton					
• Ploughed parking lot	5.1	10.7	27.4	56.8	100.0
• Loading ramp	1.3	3.0	33.8	62.0	100.0
• Open warm-up area	3.0	8.5	20.1	68.3	100.0
• Shelter at parking lot	1.7	4.7	25.2	68.3	100.0
• Toilets	3.4	10.7	34.6	47.4	100.0
• Trail shelters	.9	1.3	38.5	59.4	100.0
• Groomed trails	.4	5.6	41.9	52.1	100.0
• Signed trail & use areas	–	4.3	47.9	47.8	100.0
• Trail and area maps	.4	2.1	48.7	48.7	100.0
• Service Center (gas,etc)	4.7	13.7	29.5	52.1	100.0
• Overnight accommodation	7.3	4.3	18.4	70.0	100.0
• Snowmobile rentals	1.3	–	9.4	89.2	100.0
• Snowmobile repairs	3.4	7.3	19.7	69.6	100.0
12. Banff					
• Ploughed parking lot	"Insufficient Data"				
• Loading ramp					
• Open warm-up area					
• Shelter at parking lot					
• Toilets					
• Trail shelters					
• Groomed trails					
• Signed trail and use areas					
• Trail and area maps					
• Service Center (gas,etc)					
• Overnight accommodation					
• Snowmobile rentals					
• Snowmobile repairs					

TABLE B-1

FACILITIES AND SERVICES

Zone of Residence	Available But Not Used	Available And Used	Would Use If Available	No Response a)	Total
	(percentage of responses)				
13. Game Country					
• Ploughed parking lot	10.5	12.4	27.6	49.5	100.0
• Loading ramp	5.7	6.7	40.0	47.6	100.0
• Open warm-up area	10.5	10.5	19.0	60.0	100.0
• Shelter at parking lot	5.7	12.4	26.7	55.3	100.0
• Toilets	9.5	10.5	42.9	37.2	100.0
• Trail shelters	2.9	4.8	41.9	50.5	100.0
• Groomed trails	8.6	16.2	24.8	50.5	100.0
• Signed trail & use areas	6.7	19.0	31.4	42.9	100.0
• Trail and area maps	9.5	14.3	34.3	41.9	100.0
• Service Center (gas,etc)	6.7	5.7	28.6	59.1	100.0
• Overnight accommodation	8.6	1.0	26.7	63.9	100.0
• Snowmobile rentals	3.8	-	13.3	82.9	100.0
• Snowmobile repairs	10.5	14.3	11.4	63.9	100.0
14. Midnight Twilight					
• Ploughed parking lot	3.4	6.7	21.8	68.1	100.0
• Loading ramp	.8	4.2	35.3	59.6	100.0
• Open warm-up area	.8	5.9	30.3	63.0	100.0
• Shelter at parking lot	.8	2.5	28.6	68.1	100.0
• Toilets	4.2	6.7	35.3	53.8	100.0
• Trail shelters	1.7	1.7	39.5	57.2	100.0
• Groomed trails	2.5	5.0	40.3	52.1	100.0
• Signed trail & use areas	1.7	4.2	39.5	54.6	100.0
• Trail and area maps	1.7	4.2	51.3	42.9	100.0
• Service Center (gas,etc)	4.2	12.6	26.1	57.2	100.0
• Overnight accommodation	7.6	5.9	18.5	68.1	100.0
• Snowmobile rentals	.8	.8	10.1	88.2	100.0
• Snowmobile repairs	7.6	11.8	16.8	63.9	100.0

Note: a) includes uncoded responses

Numbers may not add due to rounding

TABLE B-2

DAYS SNOWMOBILED

Zone of Residence:	Total Number 000's	Percentage of Total Days	Average Number/ Household
Chinook Country	13.6	4.4	18
Gateway	3.2	1.0	17
Big Country	6.0	1.9	19
David Thompson	27.4	8.8	21
Battle River	39.4	12.6	21
Lakeland	48.6	15.6	24
Evergreen	36.9	11.8	25
Mighty Peace	14.7	4.7	31
Jasper	.6	.2	18
Calgary	17.8	5.7	16
Edmonton	43.7	14.0	17
Banff	-	-	-
Game Country	19.4	6.2	24
Midnight Twilight	40.4	13.0	26
Total	**311.7**	**100.0**	**22**

Note: Numbers may not add due to rounding

TABLE B-3

HOUSEHOLD SNOWMOBILING ACTIVITY COMPARISON

(1983/84 versus 1982/83)

Zone of Residence	Decreased	Remained the Same	Increased	Total
		(percentage of responses)		
Chinook Country	64.0	24.0	12.0	100.0
Gateway	45.9	25.9	28.2	100.0
Big Country	40.5	38.0	21.5	100.0
David Thompson	41.5	29.2	29.3	100.0
Battle River	40.7	38.3	21.0	100.0
Lakeland	49.2	32.8	17.9	100.0
Evergreen	50.0	32.4	17.6	100.0
Mighty Peace	55.1	36.3	8.8	100.0
Jasper	50.1	18.8	31.3	100.0
Calgary	57.1	28.6	14.3	100.0
Edmonton	48.3	34.6	17.1	100.0
Banff	-	-	-	100.0
Game Country	55.7	26.8	17.5	100.0
Midnight Twilight	49.6	27.5	23.0	100.0
Total	**49.0**	**31.9**	**19.0**	**100.0**

Numbers may not add due to rounding

TABLE B-4

EQUIPMENT & OPERATING EXPENDITURES BY REGISTERED SNOWMOBILE OWNERS

(1983/84)

Classification	Total Expenditure ('000's)	Percent %	Average Per Household
1. Equipment Expenditures			
• snowmobiles	$8,855.	48.5	$612.
• snowmobile accessories	$1,172.	6.4	$ 81.
• special clothing	$ 984.	5.4	$ 68.
Total Equipment Expenditures	**$11,035.**	**60.3**	**$762.**
2. Operating and Related Expenditures			
• snowmobile operation (eg. gas, oil, repairs)	$3,619.	19.8	$250.
• other vehicle operation (auto gas, oil, repairs)	$1,758.	9.6	$121.
• club and area user fees	$ 43.	.2	$ 3.
• commercial accommodation	$ 296.	1.6	$ 20.
• meals in restaurants and hotels	$ 546.	3.0	$ 38.
• groceries bought in stores	$ 743.	4.1	$ 51.
• other	$ 257.	1.4	$ 18.
Total Operating Expenditures	**$7,272.**	**39.7**	**$502.**
TOTAL EXPENDITURES	**$18,307.**	**100.0**	**$1,264.**

Note: Numbers may not add due to rounding

TABLE B-5
TOTAL HOUSEHOLD
SNOWMOBILE ACTIVITY EXPENDITURES (1983/84)
($000's)

	Chinook Country	Gateway	Big Country	David Thompson	Battle River	Lakeland	Evergreen	Mighty Peace	Jasper	Calgary	Edmonton	Banff	Game Country	Midnight Twilight	Average
Equipment Expenditures:															
Snowmobiles	$594	$193	$164	$698	$1081	$1301	$733	$147	$38	$789	$1608	-	$524	$984	$8855
Snowmobile Accessories	68	47	18	57	162	168	98	21	1	147	181	-	81	123	1172
Special Clothing	58	21	20	63	122	147	116	29	2	86	145	-	82	92	984
Total	$723	$252	$203	$820	$1368	$1630	$949	$202	$41	$1023	$1933	-	$690	$1203	$11035
Operating Expenditures:															
Snowmobile Operation	196	48	58	304	397	474	530	88	11	389	525	-	222	379	3619
Other Vehicle Operation (auto, gas)	112	37	25	127	192	175	136	24	5	335	337	-	121	132	1758
Club and Area User Fees	4	*	*	3	3	14	2	0	*	4	4	-	5	1	43
Commercial Accommodation	17	19	5	34	42	46	28	0	1	37	27	-	9	30	296
Meals in Restaurants and Hotels	30	17	12	48	73	53	68	3	2	72	93	-	17	58	546
Groceries bought in stores	31	10	10	38	64	74	76	15	3	134	183	-	36	68	743
Other	11	3	4	17	36	29	27	4	-	41	47	-	8	29	257
Total	$418	$134	$114	$570	$807	$867	$868	$135	$22	$1012	$1215	-	$418	$699	$7272
TOTAL EXPENDITURES	$1133	$386	$317	$1390	$2175	$2497	$1817	$337	$63	$2035	$3148	-	$1108	$1902	$18307

* less than $500
Numbers may not add due to rounding

TABLE B-6

OVERNIGHT TRIPS

Zone of Residence:	Numbers of Household Trips	%	Percentage of Households Taking Trips	Averages: Days Per Trip	Averages: Persons Per Household	Averages: Daily Household Expenditures	Averages: Daily Person Expenditures
Chinook Country	551	4.9	32.1	2.4	2.0	$66	33
Gateway	267	2.4	52.6	3.3	2.0	$66	43
Big Country	141	1.3	23.2	2.4	2.4	$97	41
David Thompson	782	7.0	28.7	2.6	2.3	$92	$40
Battle River	1041	9.3	26.7	2.9	3.0	$85	$29
Lakeland	1092	9.8	23.1	2.7	2.5	$85	$33
Evergreen	840	7.5	29.3	2.7	2.3	$84	$37
Mighty Peace	132	1.1	15.2	3.1	1.7	$37	$22
Jasper	18	.2	20.0	2.9	1.7	$55	$32
Calgary	1967	17.6	58.4	2.9	2.5	$62	$25
Edmonton	2924	26.2	48.1	2.5	2.7	$46	$17
Banff	-	-	-	-	-	-	-
Game Country	378	3.4	32.4	2.6	1.6	$74	$46
Midnight Twilight	1035	9.3	27.5	2.7	2.1	$52	$25
Total	11169	100.0	33.5	2.7	2.5	$67	27

Note: Numbers may not add due to rounding

TABLE B-7

ACCOMMODATION ON OVERNIGHT TRIPS

Trip Destination:	Hotel/ Motel	Home of a Friend or Relative	Cottage	Camper Trailer, Motor Home	Other	Total
	(percentage of overnight trips)					
Alberta	22.0	26.6	20.9	24.2	6.2	100.0
British Columbia	63.9	8.5	-	21.9	5.7	100.0
Saskatchewan	17.5	66.6	15.9	-	-	100.0
Other Canada (a)	20.0	60.0	20.0	-	-	100.0
United States	89.9	-	4.2	4.2	1.7	100.0
Total	**30.0**	**24.6**	**17.1**	**22.5**	**5.8**	**100.0**

Note: (a) based on a limited number of trips

Total Number of trips 11,169

Numbers may not add due to rounding

TABLE B-8

TOTAL HOUSEHOLD EXPENDITURES ON OVERNIGHT TRIPS ($000's)

Zone of Residence:	Alberta Destination	% of Total Alberta	Outside Alberta Destination	% of Total Outside Alberta	Total	% of Total
Chinook	$28	3.1	$41	5.3	$69	4.0
Gateway	17	1.9	55	7.1	73	4.3
Big Country	12	1.3	12	1.5	23	1.3
David Thompson	44	4.8	108	13.8	156	9.1
Battle River	120	13.1	96	12.3	220	12.8
Lakeland	138	15.1	87	11.1	227	13.2
Evergreen	66	7.2	103	13.2	169	9.8
Mighty Peace	11	1.2	1	.1	13	.8
Jasper	1	.1	1	.1	3	.2
Calgary	143	15.7	165	21.2	317	18.5
Edmonton	216	23.7	48	6.2	270	15.7
Banff	-	-	-	-	-	-
Game Country	47	5.1	14	1.8	61	3.6
Midnight Twilight	68	7.4	49	6.3	117	6.8
	$913	100.0	$780	100.0	$1717	100.0

Note: Numbers may not add due to rounding and uncoded values

TABLE B-9

AVERAGE EXPENDITURE ON OVERNIGHT TRIPS

Zone of Residence:	Household Trip			Person Trip		
	Alberta Destinations	Outside Alberta Destinations	Total Destinations	Alberta Destinations	Outside Alberta Destinations	Total Destinations
Chinook Country	$100	$260	$158	$50	$127	$78
Gateway	155	385	284	96	165	141
Big Country	139	740	233	58	374	99
David Thompson	129	348	238	54	160	103
Battle River	167	541	245	61	177	83
Lakeland	184	366	229	71	151	90
Evergreen	130	430	228	54	221	99
Mighty Peace	107	250	115	64	254	67
Jasper	133	200	160	90	160	93
Calgary	124	280	181	44	155	73
Edmonton	99	273	114	36	121	42
Banff	-	-	-	-	-	-
Game Country	163	450	193	105	227	119
Midnight Twilight	97	380	141	45	253	68
Total	$126	$352	$182	$50	$167	$74

TABLE B-10

COMMENTS BY ZONE RESPONDENTS

	Chinook Country	Gateway	Big Country	David Thompson	Battle River	Lakeland	Evergreen	Mighty Peace	Jasper	Calgary	Edmonton	Banff	Game Country	Midnight Twilight	TOTAL
	(percentage of respondents)														
Comments:															
Desire for more local snowmobile trails and areas.	16.1	37.1	10.2	18.3	14.8	20.4	17.4	14.1	20.1	33.3	16.9	-	11.1	13.4	17.8
Discontent with restricting access to previously used snowmobile areas.	10.7	4.1	3.1	5.8	1.1	1.3	2.5	-	-	10.8	.4	-	-	-	2.7
Dissatisfaction with having to travel long distance to locate suitable snowmobile areas or conditions.	5.4	5.2	1.0	3.3	3.4	2.5	1.7	-	-	9.0	2.5	-	.9	1.7	3.0
More parks and public lands should be made available for snowmobiling activities.	4.5	11.3	3.1	3.3	2.8	5.1	5.8	1.1	20.0	2.7	3.3	-	.9	.8	3.4
Indicated a desire for more snowmobiling areas in the Kananaskis region.	9.8	2.1	4.1	1.7	.6	.6	-	-	-	20.7	-	-	-	-	2.5

	Chinook Country	Gateway	Big Country	David Thompson	Battle River	Lakeland	Evergreen	Mighty Peace	Jasper	Calgary	Edmonton	Banff	Game Country	Midnight Twilight	TOTAL
Comments:															
Need for more service facilities (accommodation, food, and supplies).	4.5	4.1	4.1	.8	1.1	3.8	1.7	1.1	-	3.6	2.9	-	-	1.7	2.3
Expressed a desire for more developed snowmobiling areas.	4.5	20.6	6.1	2.5	3.4	1.3	5.8	1.1	-	5.4	.8	-	.9	-	2.7
General grievance with snowmobile by-law restrictions.	6.3	9.3	5.1	10.8	1.7	3.8	4.1	3.3	5.0	6.3	1.7	-	3.7	2.5	4.1
Need for improved information on the location of snowmobiling areas, facilities, and regulations in Alberta.	2.7	3.1	4.1	2.5	4.0	3.8	2.5	2.2	-	3.6	7.0	-	3.7	4.2	4.1
Other Comments.	16.2	9.3	7.1	18.4	7.9	6.9	9.1	4.4	-	5.4	3.7	-	5.5	9.2	8.2
No Comment.	50.0	39.2	70.4	53.3	68.8	64.3	58.7	75.0	60.0	38.7	68.6	-	75.0	73.1	63.1

Note: **Some respondents had more than one comment**